Docket Number MTV-037.01

## MAY 2 2 2002 DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby desare that:

My residence, post of the control of

I believe I am the original, first and the subject matter which is claimed			oint inventor (if plural names are listed below) of
SOLID- AND SOLU	JTION-PHASE SYNTHESIS	S OF HEPARIN AND OTHER	R GLYCOSAMINOGLYCANS
the specification of which (check on	ne)		
is attached			
was filed or	n Date January 22, 2002 as United S	tates Application Number 10/054,724	and was amended on Date_ (if applicable).
I hereby state that I have reviewed a referred to above.	nd understand the contents of the al	bove identified specification, includin	g the claims, as amended by any amendment
· •	nformation, which is material to par	tentability as defined in Title 37, Code	e of Federal Regulation & 1.56
			cation(s) for patent or inventor's certificate listed
below and have also identified below priority is claimed.	w any foreign application for patent	or inventor's certificate having a filin	g date before that of the application on which
Prior Foreign Application(s)			Priority Claimed
			Yes No
(Number)	(Country)	(Day/Month/Year Filed)	
	(0)	(D. A 10/ E3 D	Yes No
(Number)	(Country)	(Day/Month/Year Filed)	
I hereby claim the benefit under Title	e 35, United States Code, § 119(e)	of any United States Provisional appli	cation(s) listed below.
60/263,621	January 23, 2001		
(Application Number)	(Filing Date)		
	(C)		
Application Number)	(Filing Date)		below and, insofar as the subject matter of each
(Application Number)	(Filing Date	and the national or PCT international	(Status: patented, pending, abandoned)
[1] (Application Number)	(Filing Date)	<del></del>	(Status: patented, pending, abandoned)
4rt 2			g. No. 46,663; William D. DeVaul Reg. No.
42,483; Daniel P. Gaudet, Reg. No. 4 Greenberg, Reg. No. 44,133; Jennife Kavanaugh, Reg. No. P-50356; Davi No. 42,049; Chinh H. Pham, Reg. No Quisel, Reg. No. 47,874; Anita Varn	48,584; Robert W. Gauthier, Reg. Ner K. Holmes, Reg. No. 46,778; David A. Lane, Reg. No. 39,261; W. Huo. 39,329; Jeffrey M. Sears, Reg. No. Reg. No. 43,221; Sharon Webb,	lo. 35,153; Jason Gish, Reg. No. 42,5 rid Hyams, Reg. No. P-50947; Scott E 1go Liepmann, Reg. No. 20,407; Jim 6 o. 48,440; Philip C. Swain, Reg. No. 2	81; Dana Gordon, Reg. No. 44,719; Robert A. E. Kamholz, Reg. No. 48,543; Theresa Olesen, Reg. No. 46,967; Kevin A. Oliver, Reg. 32,376; Kingsley L. Taft, Reg. No. 43,946; John g. No. 28,129 and Jennifer Zarutskie, Reg. No. P-
Address all telephone calls to Dana I	M. Gordon at telephone number (61	7) 832-1000.	
Address all correspondence to:	Customer Id No: 25181		
	Patent Group Foley Hoag & Eliot LLP One Post Office Square Boston, MA. 02109-2170		
and further that these statements wer	e made with the knowledge that wi	llful false statements and the like so n	on information and belief are believed to be true; nade are punishable by fine or imprisonment, or pardize the validity of the application or any
Full name of sole or first inventor (g	iven name, family name): Peter H. S	Seeberger	
Inventor's signature: 100 Margarial Drive Co.	u plat	Dat	
Residence: <u>100 Memorial Drive, Car</u> Post Office Address: <u>same</u>	mbridge, MA 02142	Citi	izenship: <u>U.S.</u>
yania.			
	Additional inventors are being	aamad canarataly numbered cheets at	nahad harata

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Harrie Street	
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Full name of second joint inventor (given namely ly name): Hernan Orgueira		
Inventor's signature:	Date:	
Residence: 60 Ellery Street - Apt. 9, Cambridge, MA 02138	Citizenship: Argentina	
Post Office Address: same		
Full name of third joint inventor (given name, family name): Peter Schell		
Inventor's signature:		_
Residence: 750 Tremont Street - Apt. 8, Boston, MA 02118	Citizenship: Germany	
Post Office Address: same		-
Full name of fourth joint inventor (given name, family name):		_
Inventor's signature:	Date:	_
Residence:	Citizenship:	_
Post Office Address:		_
Full name of fifth joint inventor (given name, family name):		_
Inventor's signature:	Date:	_
Residence:	Citizenship:	_
Post Office Address:		_

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Docket Number MTV-037.01

As a below named inventor, I hereby declars that:

My residence, post office and stated below next to my name.

I believe I am the original, first and s the subject matter which is claimed a			and joint inventor (if plural names	are liste	d below) of
SOLID- AND SOLU	TION-PHASE SYNTHESI	S OF HEPARIN AND OT	HER GLYCOSAMINOGI	<b>YCAN</b>	s j
the specification of which (check one	e)				المرابع
☐ is attached h ☑ was filed on	ereto. Date <u>January 22, 2002</u> as United S	States Application Number 10/05	4,724, and was amended on Date	_ (if appli	cable).
I hereby state that I have reviewed ar referred to above.	nd understand the contents of the a	bove identified specification, inc	luding the claims, as amended by	any ame	ndment
I acknowledge the duty to disclose in	formation, which is material to pa	tentability as defined in Title 37,	Code of Federal Regulation, § 1.:	56.	
I hereby claim foreign priority benefit below and have also identified below priority is claimed.					
Prior Foreign Application(s)				Priority	Claimed
				☐ Yes	☐ No
(Number)	(Country)	(Day/Month/Year Filed)			
(Number)	(Country)	(Day/Month/Year Filed)	<del></del>	☐ Yes	☐ No
,			application(a) listed helevy		
I hereby claim the benefit under Title		of any United States Provisional	application(s) listed below.		
60/263.621	January 23, 2001 (Filing Date)			·. · · · ·	
(Application Number)	(Filing Date)	•			
s (Application Number)	(Filing Date	<del>)</del>	(Status: patented, pendi	ng, aband	loned)
(Application Number)	(Filing Date	2)	(Status: patented, pendi	ng, aband	oned)
I hee by appoint Beth E. Arnold, Reg 42 43 3; Daniel P. Gaudet, Reg. No. 4 45 43 3; Daniel P. Gaudet, Reg. No. 4 45 45 3; Jennifer Kavanaugh, Reg. No. P-50356; Davie No. 42,049; Chinh H. Pham, Reg. No. Quisel, Reg. No. 47,874; Anita Varm 50558 as attorneys/agents to prosecut	8,584; Robert W. Gauthier, Reg. 1 r K. Holmes, Reg. No. 46,778; Da d A. Lane, Reg. No. 39,261; W. H b. 39,329; Jeffrey M. Sears, Reg. N a, Reg. No. 43,221; Sharon Webb	No. 35,153; Jason Gish, Reg. No. vid Hyams, Reg. No. P-50947; So ugo Liepmann, Reg. No. 20,407; Io. 48,440; Philip C. Swain, Reg. , Reg. No. 47,172; John L. Welch	42,581; Dana Gordon, Reg. No. cott E. Kamholz, Reg. No. 48,543 Jim Olesen, Reg. No. 46,967; Ke No. 32,376; Kingsley L. Taft, Re h, Reg. No. 28,129 and Jennifer Z	44,719; F B; Theresa evin A. O eg. No. 43 Zarutskie,	Robert A. 1 liver, Reg. 3,946; John
Address all telephone calls to Dana M	1. Gordon at telephone number (6	17) 832-1000.			
Address all correspondence to:	Customer Id No: 25181				
	Patent Group Foley Hoag & Eliot LLP One Post Office Square Boston, MA. 02109-2170				
I hereby declare that all statements m and further that these statements were both, under Section 1001 of Title 18 patent issued thereon.	e made with the knowledge that w	illful false statements and the like	e so made are punishable by fine of	or impriso	onment, or
Full name of sole or first inventor (gi	ven name, family name):Peter H.	Seeberger			
Inventor's signature:	nbridge, MA 02142		Date: Citizenship: <u>U.S.</u>		

Full name of second joint it was a given name by name): Hernan Orgueira	
Inventor's signature:	Date: 02/20/02
Residence: 60 Ellery Street - Apt 9, Cambridge, MA 02138	Citizenship: Argentina
Post Office Address: same	
Full name of third joint inventor (given name, family name): Peter Schell	
Inventor's signature:	Date:
Residence: 750 Tremont Street - Apt. 8, Boston, MA 02118	Citizenship: Germany
Post Office Address: same	
Full name of fourth joint inventor (given name, family name):  Inventor's signature:  Residence:  Post Office Address:	Date:
Full name of fifth joint inventor (given name, family name):	
Inventor's signature:	Date:
Residence:	Citizenship:
Post Office Address:	
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The state of the s

20/491135.1

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Docket Number MTV-037.01

MAY 2 2 2002

As a belogy named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

## I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and soint inventor lural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SOLID- AND SOLUTION-PHASE SYNTHESIS OF HEPARIN AND OTHER GLYCOSAMINOGLYCANS the specification of which (check one) is attached hereto. was filed on DateJanuary 22, 2002 as United States Application Number 10/054,724, and was amended on Date\_ (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulation, § 1.56. I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. Priority Claimed Prior Foreign Application(s) ☐ Yes ☐ No (Country) (Day/Month/Year Filed) (Number) ☐ No ☐ Yes (Number) (Country) (Day/Month/Year Filed) I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States Provisional application(s) listed below. January 23, 2001 (Application Number) (Filing Date) (Application Number) (Filing Date) I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. (Application Number) (Filing Date) (Status: patented, pending, abandoned) Ш (Application Number) (Filing Date) (Status: patented, pending, abandoned) I herby appoint Beth E. Arnold, Reg. No. 35,430; Isabelle Clauss, Reg. No. 47,326; Stephen B. Deutsch, Reg. No. 46,663; William D. DeVaul Reg. No. 47,483; Daniel P. Gaudet, Reg. No. 48,584; Robert W. Gauthier, Reg. No. 35,153; Jason Gish, Reg. No. 42,581; Dana Gordon, Reg. No. 44,719; Robert A. Greenberg, Reg. No. 44,133; Jennifer K. Holmes, Reg. No. 46,778; David Hyams, Reg. No. P-50947; Scott E. Kamholz, Reg. No. 48,543; Theresa Kavanaugh, Reg. No. P-50356; David A. Lane, Reg. No. 39,261; W. Hugo Liepmann, Reg. No. 20,407; Jim Olesen, Reg. No. 46,967; Kevin A. Oliver, Reg. No. 42,049; Chinh H. Pham, Reg. No. 39,329; Jeffrey M. Sears, Reg. No. 48,440; Philip C. Swain, Reg. No. 32,376; Kingsley L. Taft, Reg. No. 43,946; John Quisel, Reg. No. 47,874; Anita Varma, Reg. No. 43,221; Sharon Webb, Reg. No. 47,172; John L. Welch, Reg. No. 28,129 and Jennifer Zarutskie, Reg. No. P-50558 as attorneys/agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. Address all telephone calls to Dana M. Gordon at telephone number (617) 832-1000. Address all correspondence to: Customer Id No: 25181 Patent Group Foley Hoag & Eliot LLP One Post Office Square Boston, MA. 02109-2170 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or

and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name): Peter H. Seeberger	
Inventor's signature:	Date:
Residence: 100 Memorial Drive, Cambridge, MA 02142	Citizenship: U.S.
Post Office Address: same	•

Additional inventors are being named separately numbered sheets attached hereto.

Full name of record joint inventor (given name and ly name): Hernan Orgueira	
Inventor's signature:	Dote:
Residence: 60 Ellery Street - Apt. 9, Cambridge, MA 02138	
Post Office Address: same	
Full name of third joint inventor (green name, family name): Peter Schell Inventor's signature:	
Full name of third joint inventor (avvironance, family name). Feter Schen	Date: 02 20 2002
Inventor's signature:  Residence: 750 Tremont Street - Apt. 8, Boston, MA 02118	Citizenship: Germany
Post Office Address: same	Citizenship. Germany
Post Office Address: Same	
The state of the s	
Full name of fourth joint inventor (given name, family name):	
Inventor's signature:	Date:
Residence:	Citizenship:
Post Office Address:	
Full name of fifth joint inventor (given name, family name):	
Inventor's signature:	Date:
Residence:	Citizenship:
Post Office Address:	